Table 7. Primers

T 5'-GTTTAACCACTGCATGATG-3'	R 5'-GTCCCATCGAGTGCGGCTAC-3'	Y1 5'-CGTGACATGGTACAT <u>TCCGGA</u> CACTT <b>G</b> GCGCACTTCATAAGCGGA-3'	Y2 5'-TGCCTCATACACAATG <u>GAGCTC</u> TGGGACGAGTCGTTCGTGAC-3'	Y3 5'-TACCCAGCAGCGG <u>GAGCTC</u> TGTTGCTCCCGAACGCAGGGCAC-3'	Y4 5'-TGTCGTGGTGGGACG <mark>GAGGCCIG</mark> CCTAGCTGCGAGCGTGGG-3'	Y5 5'-CGTTATGTGG <u>CCCGGG</u> TAGATTGAGCACTGGCAGTCCTGCACCGTCTC-3'	Y6 5'-CAGGGCCGTTGT <u>AGGCCT</u> CCACTGCATCATATCCCAAGC-3'	R1 5'- <u>CCGGA</u> ATGTACCATGTCACGAACGAC-3'
GPT	TK <sub>R</sub>	GLY1	GLY2	GLY3	GLY4	GLY5	9K79	OVR1
SEQ ID NO. 96	SEQ ID NO. 97	SEQ ID NO. 98	SEQ ID NO. 99	SEQ ID NO. 100	SEQ ID NO. 101	SEQ 1D NO. 102	SEQ ID NO. 103	SEQ ID NO. 104

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nucleotides in bold represent mutations with respect to the original HCCI10A sequence nucleotides underlined represent additional restriction site

5

5

SEQ ID NO. 109 SEQ ID NO. 109

SEQ ID NO. 107

5'-CTACCGGGCCACATAACGGGTCACCG-3'

5'-GG<u>AGGCT</u>ACAACGGCCCTGGTGG-3'

5'-GCCATACGCTCACAGCCGATCCC-3'

5'-TTCTATCGATTAAATAGAATTC -3'

GPT-2

SEQ ID NO. 110 SEQ ID NO. 111

TK<sub>R</sub>-2

OVR6

5'-CCICCGTCCCACGACAATACG-3'

5'-GCTCCATTGTGTATGAGGCAGCGG-3'

**OVR2** 

SEQ ID NO. 105 SEQ ID NO. 106

OVR3 OVR5 OVR5

5'-GAGCTCCCGCTGCTGGGTAGCGC-3'

nucleotides in hold represent mutations with respect to the original HCCI10A sequence

SEQ ID NO. 96	GPT	5'-GTTTAACCACTGCATGATG-3'
SEQ ID NO. 97	TKn	5'.GTCCCATCGAGTGCGGCTAC.3'
SEQ ID NO. 98	GLY1	5'-CGTGACATGGTACAT <u>TCCGGA</u> CACTTGGCGCACTTCATAAGCGGA-3'
SEQ ID NO. 99	GLY2	5'-TGCCTCATACACAATG <u>GAGCTC</u> TGGGACGAGTCGTTCGTGAC-3'
SEQ ID NO. 100	GLY3	5'-TACCCAGCAGCGGAGCTCTGTTGCTCCCGAACGCAGGGCAC-3'
SEQ ID NO. 101	GLY4	5'-TGTCGTGGTGGGGACGG <u>AGGCCT</u> GCCTAGCTGCGAGCGTGGG-3'
SEQ ID NO. 102	GLY5	5'-CGTTATGTGG <u>CCCGGGG</u> TAGATTGAGCACTGGCAGTCCTGCACCGTCTC 3'
SEQ ID NO. 103	GLY6	5'-CAGGGCCGTTGT <u>AGGCCT</u> CCACTGCATCATATCCCAAGC-3'
SEQ ID NO. 104	OVR1	5'- <u>CCGGA</u> ATGTACCATGTCACGAACGAC·3'
SEO ID NO. 105	OVR2	5'- <u>GCTC</u> CATTGTGTATGAGGCAGCGG-3'
SEQ ID NO. 106	OVR3	5'- <u>GAGCTC</u> CCGCTGCTGGGTAGCGC.3'
SEQ 10 NO. 107	OVR4	5'- <u>CCI</u> CCGTCCCCACCACGACAATACG·3'
SEQ ID NO. 108	OVRS	5'-CTA <i>CCCGG</i> GCCACATAACGGGTCACCG-3'
SEQ ID NO. 109	OVRG	5'.GG <u>AGGCCT</u> ACAACGGCCCTGGTGG·3'
SEQ 10 NO. 110	GPT-2	5'-TTCTATCGATTAAATAGAATTC 3'
SEO ID NO. 111	TKn-2	5'-GCCATACGCTCACAGCCGATCCC-3'
micleotides underlined represent additional restriction site	present addition	hal restriction site